AUTODOC CLUB

How to change lambda sensor on **MERCEDES-BENZ A-Class (W168)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W168) A 140 (168.031, 168.131)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ C-Class Saloon (W203) C 240 (203.061)

REPLACEMENT: LAMBDA SENSOR – MERCEDES-BENZ A-CLASS (W168). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Electronic spray
- High-temperature ceramic grease
- Torque wrench
- Combination spanner #22
- Drive socket # 8
- 22-mm oxygen sensor socket
- Ratchet wrench
- Thread tap
- Fender cover

Buy tools

Replacement: lambda sensor – MERCEDES-BENZ A-Class (W168). AUTODOC experts recommend:

- After replacing the oxygen sensor, clear the trouble code from the electronic control unit and let the ECU adapt itself to the new sensor.
- All work should be done with the engine stopped.

REPLACEMENT: LAMBDA SENSOR – MERCEDES-BENZ A-CLASS (W168). RECOMMENDED SEQUENCE OF STEPS:

1 Before getting down to work, start the engine and let it warm up to operating temperature.

2 Open the bonnet.

3 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

4 Shut off the engine.

5 Lift the car using a jack or place it over an inspection pit.

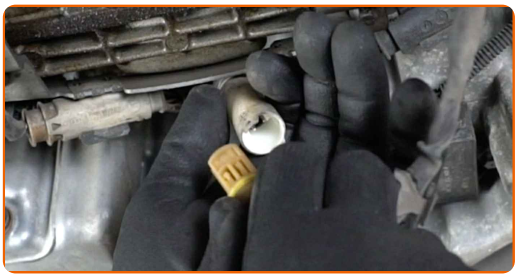
6 Undo the fasteners of the oil pan lower cover. Use a drive socket #8. Use a ratchet wrench.



7 Remove the oil pan cover.



8 Detach the oxygen sensor connector.



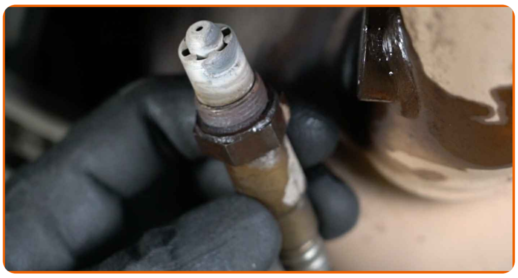
9 Clean the oxygen sensor fastener. Use a wire brush. Use WD-40 spray.



10 Unscrew the oxygen sensor fastener. Use a 22-mm oxygen sensor socket. Use a ratchet wrench.

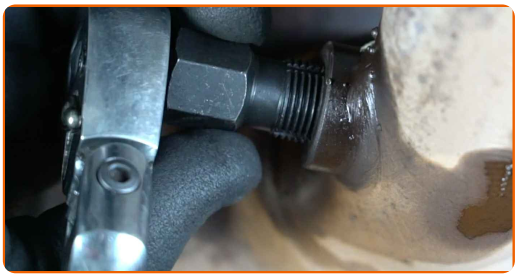


11 Remove the oxygen sensor.



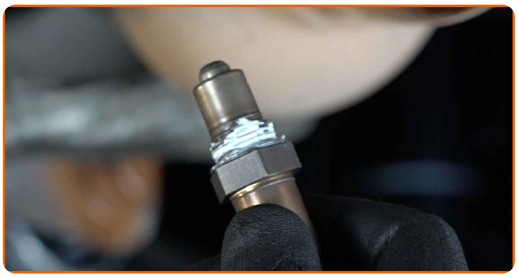
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Cut the thread for the new oxygen sensor. Use a thread tap. Use a ratchet wrench.



13

Treat the oxygen sensor. Use high-temperature ceramic grease.



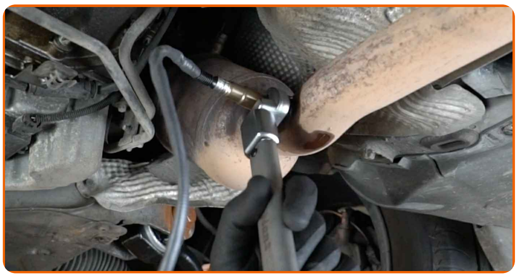
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Install the new oxygen sensor.



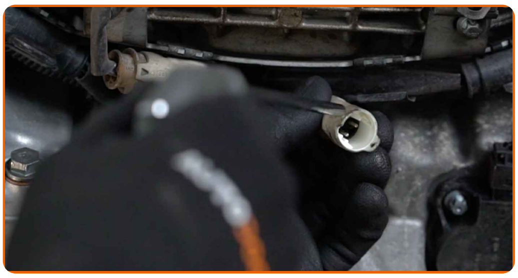
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Tighten the oxygen sensor fastener. Use a combination spanner #22. Use a torque wrench. Tighten it to 51 Nm torque.

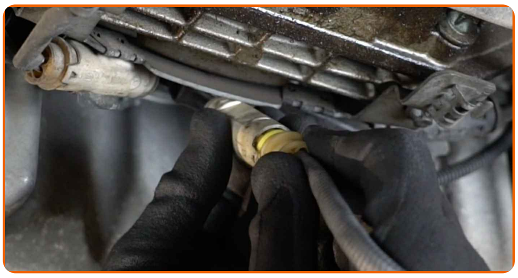


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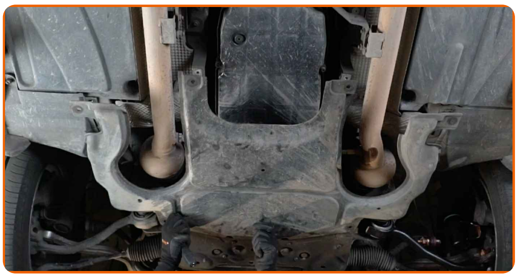
Treat the oxygen sensor connector. Use dielectric grease.



17 Attach the oxygen sensor connector.



18 Reinstall the oil pan lower cover.



19 Tighten the fasteners of the oil pan lower cover. Use a drive socket #8. Use a ratchet wrench.



20 Lower the car.

21 Switch on the ignition. This is necessary in order to make sure that the component operates properly.

22 Switch off the ignition.

23 Remove the fender protection cover.

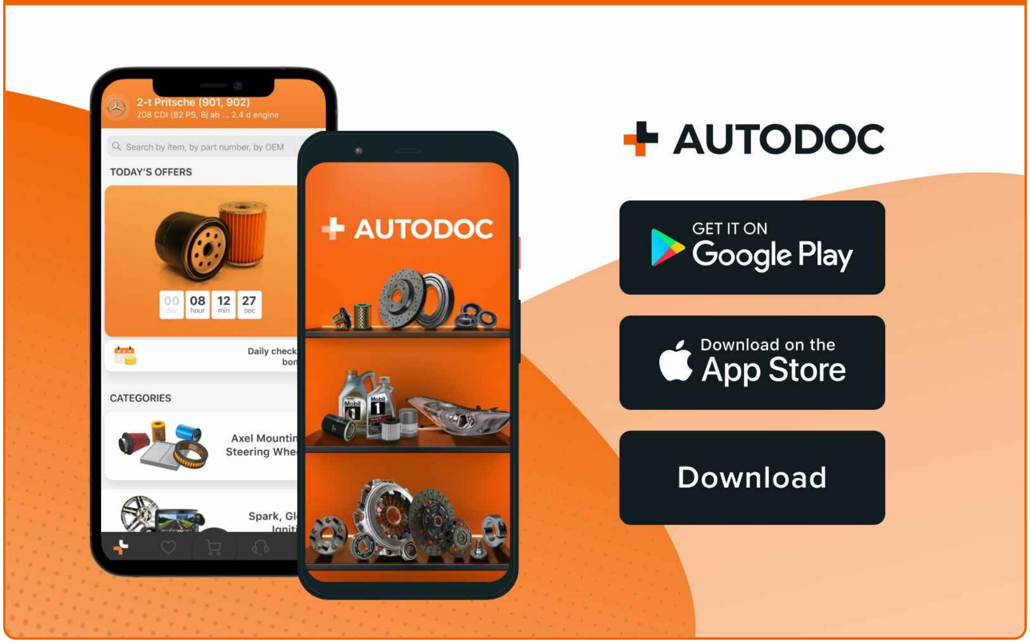
24 Close the hood.

WELL DONE!

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LAMBDA SENSOR: A WIDE SELECTION

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